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URBAN DISTRICT OF
WINDERMERE

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR

1946

KENDAL

TITUS WILSON AND SON LTD., PRINTERS

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*To the Chairman and Members of the Urban District Council of
Winderemere.*

SIR, LADIES AND GENTLEMEN,

I have the honour to submit to you my Annual Report upon the health of the District during the year 1946.

The credit for almost the whole of the services provided must rest with my predecessor in office, Dr. W. Baron Cockill, who relinquished his appointment on 31st October, 1946, after 32 years in your service.

I wish to acknowledge with gratitude the help and assistance given me by Dr. Cockill in the taking over of his post, and also the friendly co-operation of my colleague, Dr. Guy, the County Medical Officer of Health.

I am indebted also to the Sanitary Inspector and his staff for their willing assistance and fund of local knowledge which have been most helpful to me.

We have now to look ahead to a period of reorganisation of the country's medical services and overcome the inevitable difficulties which will arise.

If you desire any further particulars I shall be glad to furnish them.

I have the honour to be,

Sir, Ladies and Gentlemen,

Your obedient servant,

FRANK T. MADGE,

Medical Officer of Health.

STAFF CHANGES.

Medical Officer of Health.

On 31st October, 1946, William Baron Cockill, M.D., Ch.B., L.R.C.P., M.R.C.S., L.S.A., D.P.H., retired from the Appointment of Medical Officer of Health to the Combined Districts of Westmorland.

On 1st November, 1946, Frank Tyrer Madge, M.D., Ch.B., M.R.C.S., L.R.C.P., D.P.H., succeeded to the Appointment on release from the Royal Air Force.

VITAL STATISTICS.

The following extracts are made from information supplied by the Registrar-General, with figures for 1945 for comparison:—

Area of Windermere Urban District in acres ... ~~1,877~~ 9,732

	1945	1946
Estimated civilian population (mid-year) ..	7,637	6,533
Live Births. Legitimate— males	45	52
females	30	50
Illegitimate— males	3	5
females	9	5
Total	87	112
Rate per 1,000 population ..	11.8	17.1
Rate for England and Wales ..	16.1	19.1
Stillbirths. Legitimate— males	1	1
females	—	—
Illegitimate— males	—	—
females	—	—
Total	1	1
Rate per 1,000 total live and still births	11.5	8.4
Rate per 1,000 population ..	0.13	0.15
„ for England and Wales ..	0.46	0.53
Deaths. Males	41	33
Females	53	59
Total	94	92
Rate per 1,000 population ..	12.7	14.1
Rate, England and Wales ..	11.4	11.5
Infantile Deaths (under 1 year)		
Legitimate	3	7
Rate per 1,000 legitimate live births	40	68.6
Illegitimate	—	1
Rate per 1,000 illegitimate live births	—	100
Total Deaths under 1 year	3	8
Rate per 1,000 live births	34	71.4
Rate for England and Wales	46	43

	1945	1946
Neonatal Deaths. (under 1 month)		
Total neonatal deaths	2	6
Rate per 1,000 live births	23	53.6
Deaths from Diarrhoea and Enteritis (under 2 years)		
Deaths	—	—
Rate per 1,000 live births	—	—
Rate for England and Wales	5.6	4.4
Maternal Mortality		
Deaths from Puerperal Sepsis	—	—
Rate per 1,000 live and still births	—	—
Deaths from other Puerperal Causes	—	—
Rate per 1,000 live and still births	—	—
Total deaths	—	—
Rate per 1,000 live and still births	—	—
Rate for England and Wales	1.79	1.43

Deaths from certain causes:—

Cancer	...	...	...	...	...	...	...	14
Measles	...	...	...	...	...	...	...	Nil
Whooping Cough	...	...	...	...	...	...	...	Nil

The main causes of deaths were:—

Intra-cranial vascular lesions	...	...	...	...	...	...	...	22
Heart Disease	...	...	...	...	...	...	...	16
Cancer	...	...	...	...	...	...	...	14

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

The district has been remarkably free from infectious diseases.

INFECTIOUS DISEASES TABLE.

DISEASE.	Total.	Ages.												Admitted to Hospital.	Deaths.
		-1	1-	2-	3-	4-	5-	10-	15-	20-	35-	45-	65-		
Scarlet Fever ..	6	—	—	1	—	1	1	2	—	—	—	1	—	6	—
Pneumonia ..	3	—	—	—	—	—	—	1	—	—	1	—	1	—	—
Erysipelas ..	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—
Acute Poliomyelitis ..	1	—	—	1	—	—	—	—	—	—	—	—	—	1	—
Measles ..	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough ..	13	2	1	2	2	1	4	1	—	—	—	—	—	—	—
Total ..	26	2	3	4	2	2	5	4	—	—	2	1	1	7	—

TUBERCULOSIS TABLE.

Age Periods.	NEW CASES.				DEATHS.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
0	—	—	—	—	—	—	—	—
1	—	—	1	—	—	—	—	—
5	—	—	—	—	—	—	—	—
15	1	2	—	—	1	—	—	—
25	1	2	—	—	—	—	—	—
35	—	—	—	—	—	—	—	—
45	—	—	—	—	—	—	—	—
55	—	—	—	—	1	—	—	—
65	—	—	—	—	—	—	—	—
TOTAL	2	4	1	—	2	—	—	—

Of the six cases of pulmonary tuberculosis notified two were Service cases and one was a transfer from another area. No death occurred in cases notified during the year.

SANITARY CIRCUMSTANCES OF THE AREA.

Housing.

The number of inhabited houses in the District is 2,004. The progress of new building has been delayed by national and local limitations, but the conversions on the Calgarth estate and in the disused Isolation Hospital will next year help to relieve the situation.

Water.

The quantity of the public water supply is generally sufficient, and the average daily consumption per head is excessively high.

Of the 2,004 houses in the District, 1,930 are supplied directly with water from the public mains, and there are no standpipes.

The quality of the public water supplies has been tested with the following results:—

“ Dubbs District.”

						Parts per 100,000
Chlorine as Chlorides	...	...	...	...	...	1.1000
Nitrogen as Nitrates	...	...	...	...	...	.0098
Ammonia	...	...	...	...	...	.0028
Albuminoid Ammonia	...	...	...	...	...	.0076
Oxygen Absorption	...	...	...	...	...	.1240
Injurious Metals	...	...	...	...	...	None
Total solid matter dried at 100° C.	...	...	...	...	...	7.0000
pH. value of sample	...	...	...	...	...	7.0
Temporary hardness	...	...	...	...	...	.2 degrees
Permanent	..	...	...	...	...	2.6
Colour of sample on Hazen Scale	...	...	...	...	...	7
Appearance of sample in 2 ft. tube	...	...	...	...	...	Not quite clear.
Odour when heated to 50° C.	...	...	...	...	...	Very faint earthy.

Microscopical Examination.

Considerable deposit from $\frac{1}{2}$ gallon, consisting of earthy matter, including particles of rust, vegetable debris, fungus growths and micro-organisms.

Bacteriological Examination.

Number of colonies of Nutrient Agar at 37° C.						
after 72 hours	...	...	...	...	...	3 in 2 ml.
Number of colonies on Nutrient Agar at						
20/22° C. after 72 hours	...	...	...	...	...	3 in 2 ml.
Presumptive B. Coli Test at 37° C. after						
72 hours	...	...	...	...	...	Negative in 100 ml.
Clostridium Welchii Test at 45° C.						
...	...	...	...	...	...	Negative in 40 ml.

Observations.

The sample affords no evidence of pollution by sewage, or by any drainage connected with sewage, but the microscopical examination discloses the presence of matters derived from the surface which, though harmless, are nevertheless objectionable in that they afford an unsightly appearance to water drawn from this point; the mains in the area should be flushed.

(Signed) CYRIL J. H. STOCK,
County Analyst.

" Ghyll Head District."

Parts per 100,000

Chlorine as Chlorides	...	...	...	...	1.4000
Nitrogen as Nitrates	...	...	...	...	.0132
Ammonia	...	...	...	...	.0033
Albuminoid Ammonia	...	...	...	...	.0040
Oxygen Absorption	...	...	...	...	.1657
Injurious Metals	...	...	...	...	None
Total solid matter dried at 100° C.	...	...	...	...	5.0000
pH. value of sample	...	...	...	...	7.0
Temporary hardness	...	...	...	...	.10 degrees
Permanent	„	...	...	...	2.70 „
Colour of sample on Hazen Scale	...	...	...	...	10
Appearance of sample in 2 ft. tube	...	...	...	...	Not quite bright.
Odour when heated to 50° C.	...	...	...	...	Faint earthy.

Microscopical Examination.

Satisfactory.

Bacteriological Examination.

Number of colonies of Nutrient Agar at 37° C.	
after 72 hours	2 per ml.
Number of colonies on Nutrient Agar at	
20/22° C. after 72 hours	5 in 2 ml.
Presumptive B. Coli Test at 37° C. after	
72 hours	Positive in 100 ml.
	Negative in 90 ml.
Clostridium Welchii Test at 45° C.	Negative in 40 ml.

Observations.

The chemical analysis of this sample shows that there is no pollution by drainage in any way connected with sewage or other foul sources, and the microscopical examination affords no evidence of the presence of matters derived from the surface which might be objectionable; the bacteriological tests confirm these findings, and the sample is of good and wholesome quality for human consumption.

(Signed) CYRIL J. H. STOCK,

County Analyst.

Sewerage.

There have been no changes in the previous arrangements at the main sewage treatment works.

Public Cleansing.

No change.

Milk.

Routine inspection of farms and dairies has been carried out.

Food.

Food preparing premises have been periodically carried out, and the following foodstuffs were condemned as unfit for human consumption:—

18 tins of Meat.
 21 „ Fish.
 52 „ Meat and Vegetables.
 6 „ Soup.
 12 dozen bottles of Sauce.
 24 lbs. of Sausage.
 2 qrs. 10 lbs. of Bacon.
 27 tins of Milk.
 1 tin of Syrup.
 2 tins of Fruit.
 25 lbs. of Prunes.

Sanitary Defects.

244 inspections were made and any defects or nuisances were dealt with satisfactorily on representation to the owners.

